

Anti-Nuclear Pore Complex Protein Nup107 Antibody

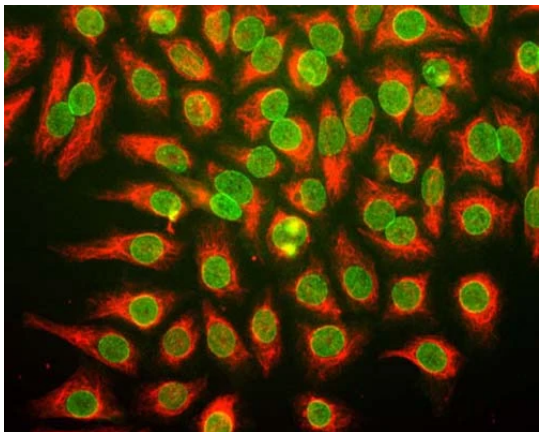


Product Details

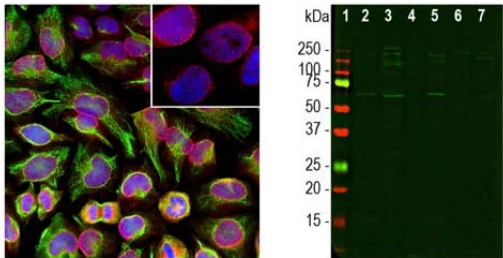
Available Variants	250 µL (SKU:M-1397-250)
Conjugate	Unconjugated
Isotype	IgG1
Clone	39C7
Host Species	Mouse
Format	Culture supernatant
Physical State	Lyophilized
Buffer	Lyophilized hybridoma cell culture media with sodium azide.
Production Notes	Concentrated cell culture supernatant.
Applications	ICC
Dilution Ranges	ICC: 1:50-1:500
Species Reactivity	Human, Mouse, Rat, Yeast
Immunogen	Yeast nuclear preparation
Specificity	The specificity of this antibody has been confirmed by IC. Hu, rat, Ms, Yeast.
Storage	Spin the vial briefly before opening it. Reconstitute in 250 uL sterile-filtered, room temperature, ultrapure water. Let the vial rehydrate for 5 minutes. Mix gently with a pipette tip to help the redissolution of the material. Centrifuge to remove any insoluble material. The final solution will contain no preservatives. A sterile technique is recommended. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	P57740
Country of Origin	United States

Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Human HeLa Cells grown in tissue culture and stained with Chicken antibody to Vimentin C-1409-50 (red) and Mouse monoclonal antibody to Nuclear Pore Complex [39C7] M-1397-250 (green). The Vimentin filaments in the cytoplasm of the cells are clearly visible in red, while the nuclear pore complex is also visible in green. The 39C7 antibody recognizes nuclear pore complexes in all eukaryotes tested to date. Picture taken with a Zeiss 40X objective and documented with a Digital SPOT camera.



Left: Analysis of nuclear pore complex (NPC) expression in HeLa cells by **Immunocytochemistry**. Cells were stained with pan-specific mouse anti-NPC antibody (red, 1:100), and co-stained with chicken antibody to vimentin (C-1409-50, green, 1:10,000). Blue: DAPI nuclear stain. The NPC antibody reveals strong granular staining of the nuclei corresponding to the localization of NPC, while the vimentin antibody labels intermediate filaments in these cells. **Right:** **Western blot** analysis of cell lysates for NPC expression (green, lanes 2-7, 1:100), using cytosol- or nuclear-enriched fractions. [1] protein standard, [2] HEK293 cytosol, [3] HEK293 nuclear, [4] NIH-3T3 cytosol, [5] NIH-3T3 nuclear, [6] HeLa cytosol, and [7] HeLa nuclear fraction lysate. The band at about 68 kDa represents a currently unidentified NPC protein which is detected predominantly in the nuclear enriched fractions of all cell lines.

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